

In case that the application demands a high level of reliability, such as automotive, please contact a company representative for further information.

APPLICABLE STANDARD		-30°C T0 +85°C (NOTE 1)		STORAGE TEMPERATURE RANGE		-10°C T0 + 60°C	
OPERATING TEMPERATURE RANGE							
VOLTAGE		250V AC					
CURRENT		2A					
SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	-			
MARKING	CONFIRMED VISUALLY.		X	-			
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100m A (DC OR 1000 HZ).	30mΩ MAX.	X	-			
INSULATION RESISTANCE	500V DC	1000M Ω MAX	X	-			
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-			
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	□0.5 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.3 N MIN.	X	-			
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-			
VIBRATION	FREQUENCY 10 TO 55 HZ, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-			
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-			
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 15 TO 35 → -85 → 15 TO 35°C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-			
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-			
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	-			
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	-			
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE: 260 ± 5°C FOR IMMERSION, DURATION, 10S.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-			
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 5 °C FOR IMMERSION DURATION, 3S.	SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSSED.	X	-			
REMARKS							
NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT.							
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344.							
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
Δ			APPROVED	05.11.24			
			CHECKED	05.11.24			
			DESIGNED	05.11.24			
			DRAWN	05.11.22			
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.	ELC4-071907-07				
SPECIFICATION SHEET		PART NO.	DF10-31S-2DSA (62)				
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL545-0022-5-62		Δ	1/1